

20030309.qrp v02_n854.qrl.20030309

Date: Sun, 9 Mar 2003 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2854

QRP-L Digest 2854

Topics covered in this issue include:

- 1) [147256] Re: Time to renew for QRP Quarterly?
by "kk5na" <kk5na@kk5na.com>
- 2) [147257] Piezo audio
by "John" <jdorson@worldshare.net>
- 3) [147258] FS: OHR QRP Spirit for 20M
by "Alan Fryer" <N3BJ@hotmail.com>
- 4) [147259] hw-8 is here!
by sergio <sergio@village-buzz.com>
- 5) [147260] RE: Argo V Numbers added to RX Comparison Tables
by "George, W5YR" <w5yr@att.net>
- 6) [147261] Re: Argo V Numbers added to RX Comparison Tables
by "Karl F. Larsen" <k5di@zianet.com>
- 7) [147262] Re: hw-8 is here!
by "Winston F. Jones" <winjones@ix.netcom.com>
- 8) [147263] re: ARGO V
by "Joe W2KJ" <w2kj@bellsouth.net>
- 9) [147264] SWL PSK-31 antennas question.
by Rodney S Clayton <rodclayton@juno.com>
- 10) [147265] Trying to go Mac
by "David B. Sarraf" <david.sarraf@paonline.com>
- 11) [147266] Re: Trying to go Mac
by "James R. Duffey" <JamesDuffey@comcast.net>
- 12) [147267] Re: SWL PSK-31 antennas question.
by Robert Honan <robertus@harbornet.com>
- 13) [147268] Re: Need Dial Marking Template
by "James R. Duffey" <JamesDuffey@comcast.net>
- 14) [147269] K0EVZ EQP
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 15) [147270] Re: FYBO Claimed Scores - Update
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 16) [147271] DSWTUN03...working on a fix for Windows NT/2000/XP users...
by "Bill, N4QA" <n4qa@hotmail.com>
- 17) [147272] Knock, knock ... Nobody's Home!
by "J. Medley" <jmedley@ix.netcom.com>
- 18) [147273] part storage
by robert conley <kc5wa-qrp@juno.com>
- 19) [147274] Re: SWL PSK-31 antennas question.

- by Patrick Gardella <pgardella@yahoo.com>
- 20) [147275] PSK31 / SWL / Ant
by John R Kirby <n3aaz-qrp@juno.com>
- 21) [147276] Re: SWL PSK-31 antennas question.
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 22) [147277] Tube schematic
by jacksonharbor@att.net
- 23) [147278] Re: hw-8 is here!
by "Jim and Jade" <kw3u@warwick.net>
- 24) [147279] Re: SWL PSK-31 antennas question.
by Frank Brickle <brickle@pobox.com>
- 25) [147280] FS: Norcal 40A (Club Offering)
by "Alan Fryer" <N3BJ@hotmail.com>
- 26) [147281] WTD: Old RCA KC4000 Preamp Kit
by "Howard Kraus" <K2UD@adelphia.net>
- 27) [147282] Re: SWL PSK-31 antennas question.
by "Rod N0RC" <rod@n0rc.us>
- 28) [147283] Re: Knock, knock ... Nobody's Home!
by "Rod N0RC" <rod@n0rc.us>
- 29) [147284] fixing up TS120S
by "Joe W2KJ" <w2kj@bellsouth.net>
- 30) [147285] Receiver Facts
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [147286] QRPTTF 2003
by "Jerry Parker" <qrp@radio@charter.net>
- 32) [147287] Need small QRP antenna for 15M
by David Fagundes <dfagundes@angra.uac.pt>
- 33) [147288] A K2 Borrower Speaks
by John Harper AE5X <ae5x@qsl.net>
- 34) [147289] Re: SWL PSK-31 antennas question.
by Robert Honan <robertus@harbornet.com>
- 35) [147290] FS: Omni 6 Opt 3 and Accesories!
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 36) [147291] Re: part storage
by "KB9BVN" <brian@iquest.net>
- 37) [147292] FS: Good stuff gathering dust... needs good home
by Fghester@aol.com
- 38) [147293] F.S. Millen 90652 solid state grid dip meter
by "Joe W2KJ" <w2kj@bellsouth.net>
- 39) [147294] Re: Knock, knock ... Nobody's Home!
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 40) [147295] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 41) [147296] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 42) [147297] QRP Digital Wattmeter
by Steven Weber <kd1jv@moose.ncia.net>

Date: Sat, 8 Mar 2003 14:16:43 -0600
From: "kk5na" <kk5na@kk5na.com>
To: <mark.milburn@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [147256] Re: Time to renew for QRP Quarterly?
Message-ID: <009701c2e5af\$a433a240\$6601a8c0@joes>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes it is time to renew now.

We will be increasing the subscription price soon to \$18 per year for members in the US, \$21 US per year for members in Canada, and \$23 US per year for all others. The increase will take place beginning 1 July 2003, so now is the time... and the two-year subscription will save you more money.

This increase is a reflection of increased cost of doing business and in providing the fine quality of the QRP Quarterly.

72 Joe KK5NA kk5na@quadj.com
President - QRP ARCI <http://www.qrparci.org>

----- Original Message -----

From: <mark.milburn@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, March 07, 2003 3:00 PM
Subject: Time to renew for QRP Quarterly?

> The Spring 2003 QRP Quarterly magazine is being completed now and we
> expect to be mailing it about the 1st of April.
>
> I have to send the mailing list to the printer in about three weeks. If
> you want to receive the Spring QQ but have not sent in your renewal, you
> will need to act quickly. If you're not sure of the status of your
> subscription, go to the club web site and use "member lookup" to see
> when your current subscription ends.
>
> We're still taking renewals by PayPal. Just go by internet to the club
> site at <http://www.qrparci.org> and click on "join-renew" and it will take
> you through the steps to charge your renewal.
>

> If you prefer to mail a check, make sure the check is made payable to QRP
> ARCI, but mail it to:
>
> Mark Milburn, KQ0I
> 117 E. Philip Street
> Des Moines, Iowa 50315
>
> The rates are still \$15 per year for members in the US, \$18 US per year
> for members in Canada, and \$20 US per year for all others. You can renew
> for a maximum of two years.
>
> Checks or money orders must be payable through a bank in North America.
> Our bank charges such stiff fees for handling checks out of that area
> that on a small transaction such as a subscription renewal, the bank ends
> up with all the money, so we can't take those checks.
>
> 72, Mark, KQ0I #2667
> Secretary-Treasurer QRP ARCI
> Instant Messenger: markkq0i
> email: qrparci@netzero.net
> - - - - -

Date: Sat, 8 Mar 2003 16:22:37 -0500
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [147257] Piezo audio
Message-ID: <000f01c2e5b8\$dbc1500\$cd90f4d1@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The other day I finished my Tick-1 keyer with piezo audio. Inside the volume is ok but outside I can hardly hear it.

Does any one if there is a way to get more volume out of it. I can't tie the audio output into the audio chain of my Mizuho.

Thanks.
John K2JHU...
South Island Real Estate
jdorson@worldshare.net

Date: Sat, 8 Mar 2003 17:52:24 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [147258] FS: OHR QRP Spirit for 20M
Message-ID: <0E45U5rrq7TkJaAS4mw000141c4@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

OHR QRP Spirit for 20M, nice shape works fine. With built in keyer, super RX with RF stage and diode ring mixer, crushproof front end. Gets 5W + out. With manual.

This is the same basic design as the OHR-400 and 500, same size as the OHR Classic, but single band for 20M.

\$110 shipped.

Alan, N3BJ

Date: Sat, 08 Mar 2003 17:59:51 -0500
From: sergio <sergio@village-buzz.com>
To: qrp-1@Lehigh.EDU
Subject: [147259] hw-8 is here!
Message-ID: <5.1.1.6.0.20030308175752.06b77398@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

i got it, along with the power supply.. this morning!

i only had time to unpack it.. but i notices that it has an rca jack for antenna connect..

i think i saw something about that somewhere... i am gonna go take a look on that..

i have that hw-8 book coming in, too..

as soon as i figure that antenna thing out.. this thing is on the air!

thanks for everyone's input on this!

peace,

sergio

www.village-buzz.com - "the village buzz"

www.mp3.com/village_buzz - "the rock n roll, baby!"

www.coffee-black.com - rock photo!

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VB-Announce-subscribe@yahoogroups.com

www.amazon.com/o/registry/3L7DM7FMR50QU <- buy me some swag!

Date: Sat, 8 Mar 2003 17:30:27 -0600

From: "George, W5YR" <w5yr@att.net>

To: <k5di@zianet.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [147260] RE: Argo V Numbers added to RX Comparison Tables

Message-ID: <IGEMKCEKDDMKFONPPFHBAEOJDDAA.w5yr@att.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="us-ascii"

Content-Transfer-Encoding: 7bit

Since external r-f attenuation is readily added with nothing more than a 500 ohm common pot or switchable pad in the receive antenna line, it is hard to understand all the flap about pre-amps and attenuators, etc.

Any radio has a certain overall gain on a given band, and this gain is distributed and controlled in a manner unique to the design and performance requirements of the radio and operator. For whatever reason Ten Tec elected to have a permanently ON preamp and no attenuator switch. To me this means nothing in comparison to the 817 or any other radio. We would have to know a great deal more of the design and operation of say the Argo V and the 817 before we could say much about whether the control features of each is good or bad.

If the operator chooses to desense the receiver to the point of being unable to hear band noise but can still hear desired signals, that is his prerogative. But, that in itself does not dictate that all receivers which cannot be so adjusted are inferior or suffer performance drawbacks. Nor does it suggest that all operators would be advised to follow such practice unless it suits their needs and equipment.

The final arbiter in all this is the ear of the operator and the S/N therein. How he gets it there in the form and size he needs is a personal matter.

And I still don't understand the concept of keeping the band noise level to "what a bandpass filter can handle." Is it a non-linear filter? Does it overload in some sense?

<slowly walks away from pulpit, nursing sore hand from banging same!>

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of

> Karl F. Larsen

> Sent: Saturday, March 08, 2003 6:31 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Argo V Numbers added to RX Comparison Tables

>

>

>

> Gang, if the Argo V has a preamp that is on all the time then
> it's not going to work well on 160, 80 and 40 meters. I have proven to
> myself with the FT-817 that for 40 meter Fox Hunts you MUST turn off the
> preamp and turn on the 10 DB attenuator. This keeps the average band
> noise at a level the bandpass filter can handle.

>

> If the Argo V has a larger attenuator then it might be possible
> achieve the same balance of band noise with the preamp "on".

>

>

> On Fri, 7 Mar 2003, Steve Yates - AA5TB wrote:

>

> > Hi Eric,

> >

> > Thanks for the table update.

> >

> > As a sidenote, your table indicates "No switchable Pre Amp., Compare to
> > Pre-Amp OFF Numbers" for the Ten-Tec Argonaut V. I believe this to
> > misleading in that the pre-amp is simply on all the time (Q31-Q33). It
> > would be more fair to compare the test results to those of
> > other rigs with

> > their pre-amps on. Even the ARRL review neglected to mention this fact.

> unable to hear the Fox. I had to use the Corsair receiver to get a good S/N
> and was able to read both of them.
> Later
> KXB
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 8 Mar 2003 19:17:43 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <sergio@village-buzz.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [147262] Re: hw-8 is here!
Message-ID: <002401c2e5d1\$5b9656a0\$e05445cf@winston>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You can get an adaptor which accepts a PL-259 coax plug and provides an RCA
phono plug for the jack.
73, Winston K4CWQ

----- Original Message -----
From: "sergio" <sergio@village-buzz.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, March 08, 2003 17:59 PM
Subject: hw-8 is here!

>
> i got it, along with the power supply.. this morning!
>
> i only had time to unpack it.. but i notices that it has an rca jack for
> antenna connect..
>
> i think i saw something about that somewhere... i am gonna go take a look
> on that..
>
> i have that hw-8 book coming in, too..
>
> as soon as i figure that antenna thing out.. this thing is on the air!

>
> thanks for everyone's input on this!
>
>
> ---
> peace,
> sergio
> www.village-buzz.com - "the village buzz"
> www.mp3.com/village_buzz - "the rock n roll, baby!"
> www.coffee-black.com - rock photo!
> phone ... 419 606 0557
> to subscribe to The Village Buzz, send a blank email to:
> VB-Announce-subscribe@yahoogroups.com
> www.amazon.com/o/registry/3L7DM7FMR50QU <- buy me some swag!
>
>

Date: Sat, 8 Mar 2003 20:18:34 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [147263] re: ARGO V
Message-ID: <012901c2e5d9\$ce239ea0\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

Have been following the exchanges about the ARGO V and the K2 with interest.

I built my K2 a couple of years ago and used it daily. It is an extremely fine radio.

I sold my K2 a while back and got an ARGO V. I have used the ARGO V on a daily basis on both CW and SSB. Now I must admit that I am prejudiced regarding CW but I also operate SSB on 10M DXing.

Considering everything, I believe the ARGO V is the bigger bang for the buck. I enjoyed building my K2 and loved its performance but the ARGO V, in my mind at least, is just about the same performance wise.

You can compare a lot of numbers...I usually do...but it is the performance that counts.

I have used the ARGO V in 160m contests as well as other CW contests and was impressed in how well the receiver held up under the strong signal environment. I have not noticed any difference in receiver performance that I can point my finger at and say "hey, this radio is better than the other radio".

This is strictly subjective....I like both radios....but settled on the ARGO V for overall performance.

They are both great radios and both play exceptionally well. One is ready to go out of the box and the other gives a ham the opportunity to build a top notch radio.

I have operated QRP since 1969. We are indeed lucky to have so many fine QRP radios to choose from...it has not always been like this.

73, Joe W2KJ

Date: Sat, 8 Mar 2003 21:20:20 -0500
From: Rodney S Clayton <rodclayton@juno.com>
To: qrp-l@lehigh.edu
Subject: [147264] SWL PSK-31 antennas question.
Message-ID: <20030308.212020.-429611.0.rodclayton@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Our local radio club is talking about building one of the Small Wonders Labs PSK-31 rigs as a club project. There was some discussion about using the finished kits for local public service type communication. The concern seems to be setting up a portable 80 meter antenna.

What antenna, other than a full sized dipole, have people used for 80M portable PSK work with the Warblers?

Thanks,
Rod

KA3BHY

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Date: Sat, 08 Mar 2003 22:32:55 -0500
From: "David B. Sarraf" <david.sarraf@paonline.com>
To: wkhibbert@juno.com
Cc: qrp-1@lehigh.edu
Subject: [147265] Trying to go Mac
Message-ID: <3E6AB5E7.1F75E7B2@paonline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Keith:

Any older external modems I have seen used AC power supplies. That makes it easier to generate the +12 and -12 volt sources needed for proper levels on the RS232 connection.

Dave Sarraf

Date: Sat, 08 Mar 2003 20:34:31 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-1@lehigh.edu
Cc: wkhibbert@juno.com
Subject: [147266] Re: Trying to go Mac
Message-ID: <BA900457.2E32%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Keith - I didn't see a reply to your query about Ham software for the Mac.

Try this URL:

<<http://www.qsl.net/wd1v/Page7.html#COLLECTIONS>>

There is a lot of stuff there. Try the MacNet collections first. Some of the software won't run on the newer machines and systems, but it is a great resource. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5

Cedar Crest NM 87009 DM65

mailto:wkhibbert@juno.com?subject=Re:%20Trying%20to%20go%20Mac

Date: Sat, 08 Mar 2003 19:58:28 -0800

From: Robert Honan <robertus@harbornet.com>

To: rodclayton@juno.com,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [147267] Re: SWL PSK-31 antennas question.

Message-ID: <3E6ABBE4.C958ACCE@harbornet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Why use PSK-31 on 80m for local public service communications? PSK-31 has far too many draw-backs to be anything but a last choice means of communications in an emergency. It has no error checking what so ever. It can not handle text files, so to relay a message you need to cut and paste from one message to another. It can not pass data files, so no sending on a spread-sheet or log file. If you are looking to do text based communications over a local area, packet on 2m FM would be a much better alternative. Even better, text messaging can be done over ARPS, which would give you both the text message and the exact location of the units involved.

This is not to say that building one of the Small Wonder Labs PSK-31 rigs would be a bad idea for your club, it's not. Just don't operate under any illusions that it would be a good idea for public service communications. Build the kit because you want to build the kit. Do it for fun. I know there are a lot of people who are trying to find a public service angle for everything we do in amateur radio, but there is no need. But you might want to keep one thing in mind, my local club uses a Kenwood TS-180S as part of a dedicated PSK-31 station. That way we can change bands when one is lacking in action. We use an AEA magnetic loop with our station. We get lots of good reports with 5w out.

Rodney S Clayton wrote:

> Our local radio club is talking about building one of the Small Wonders
> Labs PSK-31 rigs as a club project. There was some discussion about using

> the finished kits for local public service type communication. The
> concern seems to be setting up a portable 80 meter antenna.

--

Robert J. Honan, W7EG

~~~~~  
There are 10 types of people in the world:  
those that understand binary, and those that don't.

-----  
Date: Sat, 08 Mar 2003 21:03:24 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: qrp-l@lehigh.edu  
Subject: [147268] Re: Need Dial Marking Template  
Message-ID: <BA900B1C.2E37%JamesDuffey@comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

John - After you have the tuner up and running, you might consider making  
another faceplate out of transparency material.

Record the settings for your antenna on the different bands. Place these  
settings, rather than the 0 to 10 dial markings, on your new transparent  
faceplate.

If you change antennas, just make a different transparent template.

If you have use more than one antenna, make a transparent template for each  
antenna with the correct markings for each band. Cut notches in it so that  
it will rest on the shafts of the tuning knobs. When you switch antennas,  
just switch transparencies. - Dr. Megacycle KK6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
Date: Sat, 8 Mar 2003 22:22:0 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>,  
"Elecraft " <elecraft@mailman.qth.net>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [147269] K0EVZ EQP

Message-ID: <4120033094220253@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Well finally pulled the plug on EQP, but man oh man--it was a BLAST! Looks like 123 QSOes on several bands, with 9 FT's. Setup here was K2 to the 560' horizontal loop up 33'.

Sure increased my respect for those of you who are true testers. Wow. Gotta lot to learn here. Plus I need to install a bigger.....bladder, maybe.

73,  
--Doc/K0EVZ

-----  
Date: Sat, 8 Mar 2003 22:53:52 -0800  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <nk7m@extremezone.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [147270] Re: FYBO Claimed Scores - Update  
Message-ID: <015b01c2e608\$a7339e60\$37e3b3d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Bob,

Can I combine both my low scores fer a better one? ;-)

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

----- Original Message -----  
From: Bob Hightower <nk7m@extremezone.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Monday, March 03, 2003 7:13 AM  
Subject: FYBO Claimed Scores - Update

> Here are the latest claimed scores for FYBO 2003:

>

> CALL QSO'S TEMP CLAIMED

> MULT

>

> N9NE 119 6 335584

> W5YA 112 5 266560

> KT5X 118 5 259600

> K0EVZ 44 6 178960

> KB0LUR 49 5 75856

> K50T 29 6 68320

> WA7LNU 95 1 53200

> AA0XJ 49 5 50960

> WD7Y 44 4 45200

> N4BP 180 1 33760

> N0SXX 27 6 33328

> KI0II 31 4 33136

> WA8NTA 38 4 33104

> W5KDJ 98 1 29600

> K7TQ 139 2 24248

> N6WG 55 1 23760

> NJ2YL 80 1 23120

> K0PC 21 5 22600

> W3ANX 48 1 20960

> KG6EGI 39 2 19360

> WA0VSL 14 3 18736

> AD6GI 21 2 16048

> N05DL 34 1 15440

> WB8RTJ 128 1 14352

> KB6FPW 19 2 13680

> W7TF 15 3 13240

> K9IUA 50 1 13000

> AB9CA 32 4 12288

> W2AGN 25 2 11500

> K5BGB 41 1 11353

> K0LWV 26 1 10780

> K4UK 25 1 10750

> KG9LZ 13 2 10234

> W3TQG 16 1 10416

> W5TB 15 1 10195

> KA5CJJ 45 1 11980

> N6HI 43 1 3440

> W2XN 24 1 3072

> WA7TQK 10 5 2400



> K5DI 10 3 1920  
> W0PWE 29 1 1856  
> WB8YQJ/6 18 1 1170  
> NK6A 33 1 627  
> W4JNK 8 1 384  
> KG6CYN 5 1 200  
> K5JHP 14 1 154  
> NG7Z 12 1 96  
> AB6UI 1 4 64  
> NB7F 7 1 42  
> KF3CV 6 1 36  
> K6MMC 2 1 32  
> N0EVH 11 1 22  
> ON5EX 3 2 18  
> KG6CYN 4 1 16  
>  
> There are several Canadian stations working QRPP that I have not yet  
> received logs for, so hopefully they will come in soon.  
>  
> Deadline for submitting logs is March 22, 2003.  
>  
> Bob NK7M  
>

-----  
Date: Sun, 09 Mar 2003 02:41:05 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Cc: hteller@comcast.net  
Subject: [147271] DSWTUN03...working on a fix for Windows NT/2000/XP users...  
Message-ID: <BAY1-F6506y5e1y5zGo0002f428@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

It has recently become apparent to me that my pet app, DSWTUN03, works properly on PCs running Windows 95/98/ME operating systems but NOT on those running Windows NT/2000/XP.

I won't go into the gory details but it has to do with a 'kernel mode driver' for 'usermode programs'...ugh...

Many thanks to Skip Teller, KH6TY, for steering me in the right direction.

Don't know how long this will take...so much to learn...will post the fix, along with a new descriptive text file for DSWTUN03, at my website sometime in the future.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

-----  
The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Sun, 09 Mar 2003 02:03:21 -0700  
From: "J. Medley" <jmedley@ix.netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [147272] Knock, knock ... Nobody's Home!  
Message-ID: <3E6B0359.498C09B@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP To The Field 2003 -- Nobody's Home  
-----

Date: Saturday, April 26, 2003  
Time: 1500 to 2400 UTC (pick any 6 hours)  
Bands: 40-20-15-10 meters, in the vicinity of the QRP calling  
frequencies, please be courteous to others  
Mode: CW only  
Power out (QRP only): 5 watts or less

As usual, this event is geared toward having fun while operating  
in the field, away from commercial power.

The theme for this year is Ghost towns!

Think about places that were once in use and are now abandoned ...  
Ghost towns, lumber camps, old lighthouses, old buildings, etc.  
Do keep in mind personal safety. Our goal here is to have fun, not  
put your life in danger. So if a site or building is not safe, then

don't go inside, move a safe distance away instead. Also remember that if you need permission to use a site, by all means, get it. Remember, this is F-U-N!

Select any 6-hour operating period that works for you. If you need to split it up into two or three hour intervals or more to accommodate other plans, then feel free to do so. Jump in there when you can, but only work a total of 6 hours. Work all stations once per band.

Categories:     Single Op Ghost town station  
                  Multi Op Ghost town station  
                  Single Op Field Station  
                  Multi Op Field Station  
                  Home Station

Exchange:       RST + SPC  
                  Example: 559 NM

Scoring:        QS0 pts - 1 pt for each QS0 on each band  
                  SPCs pts - count once per band

Bonus points:    Use SPCs received to fill in the blanks with the state abbreviation whose first letter matches the individual letters in the word "Ghost town" without duplicating states. Each letter filled in is worth 100 points (up to 900 pts. max)  
Example: G=GA, H=HI, O=OK, S=SD, T=TX, T=TN, etc.

Location Multiplier:    Ghost town station = x5  
                          Field station        = x3  
                          Home Station        = x1

Final Score:       Total pts x Total SPC x Location + Bonus Points = Final score

A summary sheet is available at the Norcal web site:  
<http://www.fix.net/~jparker/norcal.htm>

Deadline:        Send complete logs and summary sheets by June 1, 2003.  
Summary sheets must include a description of location and equipment used. Please also include photographs and a brief write-up, it will be much appreciated! Your log should include a minimum of time (in UTC), callsign of station worked, complete exchange received, RST sent (if not a static exchange). Incomplete submissions will be used as check logs. Take your time and use a calculator if needed.

Email submission:    send complete logs and summary sheets in ASCII text format  
                      only to:     n0qt@arrl.net

Please send text format only (.txt), all other forms will be rejected so no html, word processor documents or attachments please. Archive files in the ZIP format are okay as they do not get deleted. Hopefully every one knows what a zip file is.

Snail mail: send complete logs and summary sheets to:

Jan Medley N0QT  
QRPTTF 2003  
P.O. Box 1768  
Socorro NM 87801

-----

QRPTTF 2003 SUMMARY SHEET

Call Used: \_\_\_\_\_ Operators: \_\_\_\_\_  
Category code: \_\_\_\_\_ ( SOG / MOG / SOF / MOF / HOM )  
Station Location: \_\_\_\_\_  
Rig(s): \_\_\_\_\_ Antenna(s): \_\_\_\_\_  
Highest Power: \_\_\_\_\_W Exchanged info: \_\_\_\_\_

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| STATE/PROVINCE/COUNTRY TOTALS                       | QSO POINTS                          |
| 40M = _____                                         | 40M = _____                         |
| 20M = _____                                         | 20M = _____                         |
| 15M = _____                                         | 15M = _____                         |
| 10M = _____                                         | 10M = _____                         |
|                                                     | TOTALS = _____                      |
|                                                     | LOCATION MULTIPLIERS                |
| TOTAL = _____(All SPCs per band)                    | Ghost Town = x5 ____ Home = x1 ____ |
|                                                     | Field Sta = x3 ____                 |
| BONUS POINTS                                        |                                     |
| (State Names that begin with the following letters) |                                     |
| G                                                   | H                                   |
| O                                                   | S                                   |
| T                                                   | T                                   |
| O                                                   | W                                   |
| N                                                   |                                     |

|                                                                                  |
|----------------------------------------------------------------------------------|
| <p>-----</p> <p>TOTAL BONUS POINTS: Number of States above x 100 = _____ pts</p> |
|----------------------------------------------------------------------------------|

FINAL SCORE = \_\_\_\_\_ X \_\_\_\_\_ X \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ PTS

QSO Pts                      SPCs                      Loc                      Bonus                      Final Score

Comments:

I have followed all competition rules and all regulations for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the NorCal Contest Critter.

Date \_\_\_\_\_ Signature \_\_\_\_\_ Call \_\_\_\_\_

-----

Date: Sun, 9 Mar 2003 04:48:16 -0600  
 From: robert conley <kc5wa-qrp@juno.com>  
 To: qrp-1@Lehigh.EDU  
 Subject: [147273] part storage  
 Message-ID: <20030309.044817.-367815.0.kc5wa-qrp@juno.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

While buying some dipole support line ( trot  
 line cord to the non-ham ) today at my  
 loco Walmart I found a GREAT PARTS CASE they  
 are made by Plano Stock #991406 and are called  
 the stowaway 3705 utility box. it measures  
 6.75 x 8.75 x 1.75 it has 4-16 divisions  
 measuring 2.0 x 6.75 x 1.75 through 1.75 x 2.00  
 x 1.50 the price at my loco walmart is \$2.46  
 the dividers lock down so parts can not sneak  
 under or over the dividers for that matter  
 perfect for storing electronic components  
 because they are opaque so I bought 6 today

-----

Date: Sun, 9 Mar 2003 04:45:07 -0800 (PST)  
 From: Patrick Gardella <pgardella@yahoo.com>

To: rodclayton@juno.com,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [147274] Re: SWL PSK-31 antennas question.  
Message-ID: <20030309124507.15001.qmail@web40908.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Well, you could use the antenna that was designed exactly for this:

<http://www.njqrp.org/squirt/index.html>

73,  
Patrick N3EO

--- Rodney S Clayton <rodclayton@juno.com> wrote:  
> Our local radio club is talking about building one of the Small Wonders  
> Labs PSK-31 rigs as a club project. There was some discussion about using  
> the finished kits for local public service type communication. The  
> concern seems to be setting up a portable 80 meter antenna.  
>  
> What antenna, other than a full sized dipole, have people used for 80M  
> portable PSK work with the Warblers?  
>  
> Thanks,  
> Rod  
> KA3BHY  
>  
>  
>  
> -----  
> Sign Up for Juno Platinum Internet Access Today  
> Only \$9.95 per month!  
> Visit [www.juno.com](http://www.juno.com)

-----  
Do you Yahoo!?  
Yahoo! Tax Center - forms, calculators, tips, more  
<http://taxes.yahoo.com/>  
-----

Date: Sun, 9 Mar 2003 08:40:31 -0500  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: sergio@village-buzz.com, rodclayton@juno.com,  
QRPP-I@yahoogroups.com, qrp-1@Lehigh.EDU, GQRP@yahoogroups.com  
Subject: [147275] PSK31 / SWL / Ant  
Message-ID: <20030309.084045.-286013.2.n3aaz-qrp@juno.com>

MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

>Subject: psk31  
>is anyone else out there doing psk31, and if so, is it neat?  
>Subject: SWL PSK-31 antennas question.  
  
>Subject: SWL PSK-31 antennas question.  
>What antenna, other than a full sized dipole, have people used for 80M  
>portable PSK work

First, >>is it neat?  
I am 00TC here (43+ yrs) and PSK31 is now my mode of choice (thanks  
G3PLX),  
a very relaxed . . . MODE and GROUP.

It is a real QRPP mode.  
You can work overseas stations the ear can not hear .

Your HW-8 can receive PSK31.  
A little 'warm up' may be required to stabilize the VFO.  
Radio bandwidth is not an issue, all processing is done in software.  
Sideband is not an issue in receive mode while using a "CW ONLY" radio.  
Radio front end may be an issue as the AGC/AVC can be swamped by local  
stations,  
the "RF GAIN" control will help if this becomes a problem but sometimes a  
filter between the antenna and radio is required if the station is VERY  
LOCAL and VERY POWERFUL.

>>digipan<< (thanks KH6TY, UT2UZ, UU9JDR) is OUTSTANDING PSK31 software,  
it is a free download from the www.  
Just 'set' the radio to 14070 or 14071 and then lQqk at the Digipan  
'waterfall' display while using mouse clicks to >TUNE IN< PSK31  
stations from around the world.

No special receive interface is required between the radio and PC  
soundcard for the AUDIO / VOICE 'stuff'. All >audio level< adjustment  
can be done with the radio volume control AND soundcard >software<  
settings while connected to the soundcard "LINE" port. BUT, If you  
choose to use the soundcard "MICROPHONE" port between the radio and  
soundcard then a common 'line' attenuator MAY BE required. See software  
help file.

An interface IS REQUIRED if you choose to >>key<< the radio into XMIT  
mode while using the PSK31 software and the PC SERIAL RS232 port. Be  
VERY careful around the computer RS232 serial port because there can be

RAW voltage on the PC RS232 connector pins that can harm radio circuits and can also harm PC circuits. This RS232 to TTL interface can be eliminated if you choose to key the SSB radio into XMIT mode using the radio's VOX configuration.

A SSB radio is required to transmit PSK31. Which sideband is not an issue for PSK31. That is, you can be on one sideband and the distant station can be on the other, no problem. Sideband is an issue for QPSK31, both stations must be on the same sideband.

>What antenna, other than a full sized dipole, have people used for 80M  
>portable PSK work

I use a 'zig zag' longwire . . . see . . . The L Network Revisited published in QRPP several issues back (thanks Doug) and discussed here on the list (thanks Jim). Pictures can be found on the QRPP International Radio Club's Web site:

>><http://www.QRPP-I.com><< ( thanks Bruce).

Enjoy,

John  
N3AAZ  
00TC  
FM 19 xa

---

Sign Up for Juno Platinum Internet Access Today  
Only \$9.95 per month!  
Visit [www.juno.com](http://www.juno.com)

---

Date: Sun, 9 Mar 2003 09:41:15 -0600  
From: "Steve Yates - AA5TB" <[aa5tb@arrl.net](mailto:aa5tb@arrl.net)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [147276] Re: SWL PSK-31 antennas question.  
Message-ID: <004e01c2e652\$523a1480\$0100a8c0@MAIN>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I guess everyone has there own ideas but I too have thought of the PSK31 using 80m NVIS for local region emergency communications long before Sep. 11th. As far as handling text files, where's the problem? I have "canned" messages setup in text files that I use all of the time on DigiPan. I see no



reason why any message couldn't be put in text form and sent this way. I agree that there may be far better means for your local area but I've seen many situations where trying to find enough repeaters to cover a wide area was a problem. The one thing that the idea has going for it, at least in Rodney's example, is that it keeps with the KISS principle. Its the NVIS idea that I like more then the PSK31 but I've used the Warbler before and it works very nicely. I've seen the beauty of it. A Warbler tied to a notebook computer and your all set. No expensive radio to buy.

Let's get real however. The biggest obstacle for 80m NVIS PSK31 public service communications is that most folks involved in public service work (my experience) don't have the license required to operate there.

73,  
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

-----  
Date: Sun, 09 Mar 2003 16:20:56 +0000  
From: jacksonharbor@att.net  
To: quahog@localnet.com  
Cc: qrp-l@lehigh.edu  
Subject: [147277] Tube schematic  
Message-ID: <200303091620.h29GKvJD008465@rain.CC.Lehigh.EDU>

Paul -

I noticed the "TubePad" on the lower right of Hidehiko's schematic, did a Google search and found:

<<http://www.qsl.net/wd4nka/TEXTS/Tubepadf.html>>

I haven't unzipped it yet, but looks like an interesting schematic method.

Best Regards,

Chuck Olson, WB9KZY  
Jackson Harbor Press  
<http://jacksonharbor.home.att.net/>

-----  
Date: Sun, 9 Mar 2003 11:28:44 -0800  
From: "Jim and Jade" <kw3u@warwick.net>  
To: <winjones@ix.netcom.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [147278] Re: hw-8 is here!  
Message-ID: <007101c2e672\$1a4b5500\$f3a106d8@f5b712>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yes, that is the adaptor I also use with my HW-8 and it works fine, I have two of them I like them so much. Sergio remember the signal you hear is in two places on rcv so tune the upper one or you may not connect with everyone, especially during contests when moving up and down band and forgetting. some nice mods, mine came with a variable bandwidth which is cool.  
gl Jim kw3u

----- Original Message -----  
From: "Winston F. Jones" <winjones@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, March 08, 2003 4:17 PM  
Subject: Re: hw-8 is here!

> You can get an adaptor which accepts a PL-259 coax plug and provides an RCA  
> phono plug for the jack.  
> 73, Winston K4CWQ  
>

> ----- Original Message -----  
> From: "sergio" <sergio@village-buzz.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Saturday, March 08, 2003 17:59 PM  
> Subject: hw-8 is here!

>  
>  
> >  
> > i got it, along with the power supply.. this morning!  
> >  
> > i only had time to unpack it.. but i notices that it has an rca jack for  
> > antenna connect..  
> >

> > i think i saw something about that somewhere... i am gonna go take a  
look  
> > on that..  
> >  
> > i have that hw-8 book coming in, too..  
> >  
> > as soon as i figure that antenna thing out.. this thing is on the air!  
> >  
> > thanks for everyone's input on this!  
> >  
> >  
> > \_\_\_  
> > peace,  
> > sergio  
> > www.village-buzz.com - "the village buzz"  
> > www.mp3.com/village\_buzz - "the rock n roll, baby!"  
> > www.coffee-black.com - rock photo!  
> > phone ... 419 606 0557  
> > to subscribe to The Village Buzz, send a blank email to:  
> > VB-Announce-subscribe@yahoogroups.com  
> > www.amazon.com/o/registry/3L7DM7FMR50QU <- buy me some swag!  
> >  
> >  
>

-----  
Date: Sun, 09 Mar 2003 11:35:36 -0500  
From: Frank Brickley <brickley@pobox.com>  
To: robertus@harbornet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [147279] Re: SWL PSK-31 antennas question.  
Message-ID: <3E6B6D58.707@pobox.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii; format=flowed  
Content-transfer-encoding: 7BIT

Robert Honan wrote:

> ...PSK-31 has  
> far too many draw-backs to be anything but a last choice means of  
> communications in an emergency....packet on 2m FM would be a  
> much better alternative...text messaging can be done over ARPS...

Experience here suggests you have to plan for the worst-case  
scenario. When power goes out, you may have to fall back on  
point-to-point simplex. It's possible packet and APRS may

not be functioning.

Don't be too quick to dismiss VHF/UHF digital, if not PSK-31. Bob N4HY and I have been doing a series of experiments in point-to-point between his QTH and mine at a distance of about 25 miles, with poor terrain, no line-of-sight. We have consistently failed to make a usable connection on low HF NVIS on any mode (CW, phone, or digital) or any power up to 100W. There ought to be some configuration of antennas that would make it work, but we haven't found it. And there is no chance of a simplex voice link on VHF.

However, we recently established that QRP MFSK-16 with improvised antennas on 2M gives reliable perfect print. This certainly seems like a path worth investigating, especially since running QRP simplifies many of the issues of running off emergency power.

73  
Frank  
AB2KT

-----  
Date: Sun, 9 Mar 2003 11:40:47 -0500  
From: "Alan Fryer" <N3BJ@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [147280] FS: Norcal 40A (Club Offering)  
Message-ID: <0E45QpQq5pneeFUtLch00015776@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale: Norcal 40A, kitted by Norcal, circa 1994. This is the improved version of the original Norcal 40 club offering. In the aluminum case with silk screened front and back panel. Works fine, like new, no mods, with original manual.

Note: This is NOT the Wilderness Radio version.

\$105 shipped

Alan, N3BJ  
Bent Mountain, VA

-----  
Date: Sun, 9 Mar 2003 11:47:17 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [147281] WTD: Old RCA KC4000 Preamp Kit  
Message-ID: <000d01c2e65b\$8b9363e0\$ce623018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Every now and then, I post this hoping I'll get lucky. The RCA KC4000 audio preamp kit was put out in the early 70's as part of RCA's line of IC kit modules. It was used by Doug DeMaw in his Mark II QRP transceiver ("Once More with QRP," Aug 70 QST).

As it is always my want to re-create those classic QRP gems from my impressionable years, so it is with this rig. I am in search of the RCA kit mentioned above so I can incorporate it into the Mark II. I wish to re-create the original flavor of the prototype in all regards, the KC4000 will aid me to this end (I can be a real pain in the bee-hind when it comes to duplicating early works as closely as possible!).

I know that newer designs are more compact, easier to construct, and can perform circles around this humble circuit. That doesn't bother me. Lack of T/R switching, selectivity, front-end protection and reasonable power output mean little to me. I simply wish to build this circuit that I drooled over so long ago! It is simple, humble and reeked of real radio when I first read it.

Who might have this KC4000 kit in that worn and damp box under their workbench? I'd really like to hear from you.

72 all es TNX

Howard Kraus, K2UD

-----  
Date: Sun, 9 Mar 2003 10:37:44 -0700  
From: "Rod N0RC" <rod@n0rc.us>  
To: <robertus@harbornet.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [147282] Re: SWL PSK-31 antennas question.  
Message-ID: <008501c2e662\$9867acf0\$6601a8c0@greyrock>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Robert, et.al.

----- Original Message -----

From: "Robert Honan" <robertus@harbornet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Saturday, March 08, 2003 8:58 PM  
Subject: Re: SWL PSK-31 antennas question.

> Why use PSK-31 on 80m for local public service communications? PSK-31  
has  
> far too many draw-backs to be anything but a last choice means of  
> communications in an emergency. It has no error checking what so  
ever. It

Error checking is as good as SSB, &/or CW asking for fills.

> can not handle text files, so to relay a message you need to cut and  
paste

Not true, Digipan allows text file transmission.

> from one message to another. It can not pass data files, so no  
sending on a  
> spread-sheet or log file. If you are looking to do text based  
communications  
> over a local area, packet on 2m FM would be a much better alternative.  
Even  
> better, text messaging can be done over ARPS, which would give you  
both the  
> text message and the exact location of the units involved.  
>

And what if the need is to send a message 50-100 miles? 2m FM requires  
power and tall antennas, especially in mountain terrain. Can't rely on  
repeaters in an emergency.

No mode is a panacea, it is up to the operators to select the best  
method available to get the message through. I've done PS work, and  
worked PSK31 at QRP levels. I believe PSK31 does have a place, when used  
in the proper situation.

73, Rod N0RC

Date: Sun, 9 Mar 2003 10:43:29 -0700  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [147283] Re: Knock, knock ... Nobody's Home!  
Message-ID: <00a101c2e663\$65f91a50\$6601a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Need help finding a Ghost Town? Check out this web ring:

<http://members.tripod.com/~catmandoo2/webring.html>

73, Rod N0RC

----- Original Message -----

From: "J. Medley" <jmedley@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Sunday, March 09, 2003 2:03 AM  
Subject: Knock, knock ... Nobody's Home!

```
> QRP To The Field 2003 -- Nobody's Home
> -----
>
> Date:          Saturday, April 26, 2003
>
> Time:          1500 to 2400 UTC (pick any 6 hours)
>
> Bands:         40-20-15-10 meters, in the vicinity of the QRP calling
>                frequencies, please be courteous to others
>
> Mode:          CW only
>
> Power out (QRP only):    5 watts or less
>
> As usual, this event is geared toward having fun while operating
> in the field, away from commercial power.
```

>  
> The theme for this year is Ghost towns!

-----  
Date: Sun, 9 Mar 2003 12:51:38 -0500  
From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [147284] fixing up TS120S  
Message-ID: <003a01c2e664\$89540c20\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

I am fixing up a TS120S to use for Amateur Radio  
demonstrations at public schools here in southeastern North  
Carolina.

My RIT control is way off and I need instructions/pictorials  
as to how to adjust the RIT.

Info on adjusting/calibrating the VFO would be welcomed also.

I have the Operators manual but it is of no help.

Does any kind soul out there have the Maintenance manual to  
copy out the required pages for me??? I will be glad to pay  
for copying and shipping.

Many thanks in davance for any help I can get.

73, Joe W2KJ

-----  
Date: Sun, 9 Mar 2003 11:40:26 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [147285] Receiver Facts  
Message-ID: <Pine.LNX.4.44.0303091048580.2136-100000@bucket.dog>  
MIME-Version: 1.0



Content-Type: TEXT/PLAIN; charset=US-ASCII

In response to George W5YR and others. A receiver includes the ears listening for a signal. We all know that a receiver with a wide filter, our ear/brain can filter out many cw signals and copy just the one we want. Most of us have done that at one time or other.

Now, there are times when our receiver hears a strong signal several KHz away. This can be due to a transmitter problem but is usually due to our receiver.

If you can find the ARRL test on your radio they will talk about how narrow your filter is at 6 DB above noise, and how narrow it is at 120 DB above noise. My Collins mechanical filter is 500 Hz wide at 6 DB and 1.2 KHz at 120 DB. What is it at 160 DB? My guess is that this signal is more like 160 DB stronger than the QRP signal I am listening to.

Now to Automatic Gain Control (AGC). Being automatic it's going to react to your signal your listening to, a strong signal in the passband and noise. You might miss your station because AGC has set to gain too low to copy.

Here now is a concept not easy to understand. On the lower bands there is a lot of noise signal. Noise is what's left if there are no man made signals present. Recall that my Collins filter has a 500 Hz bandpass for all signals up to 6DB above no input. Let us set the RF gain so we just can hear a tiny bit of noise. We are hearing just noise from our 500 Hz bandwidth. Now listen for man made signals like the Fox or a pack of Hounds on 40 meters. They will poke above the noise some number of DB and you can copy it still with a 500 Hz filter.

Now consider the same concept without an rf gain control. On a noisy evening the AGC will be working mostly on the noise. The noise may be 25 DB over no signal level. It all depends on how your AGC works. Now see how our Collins Filter works. It's bandwidth is wider because we are working in the filter at the 25 DB and larger level. For talking lets say the filter is now 850 Hz wide. We are letting in more noise now and we may have more signals that are in the wider bandpass. This may push us closer to 120 DB above no signal and here we know the filter is 1.2 KHz wide.

So just understand that your filter gets wider when there is lots of signal and noise!

So you see how AGC can lead to your filter not working as well

as it should. Of course you can set your RF gain control down until the noise is just there and your in good shape.

I have a Kenwood TS-50 without an RF gain control. I am now running all the time with all the attenuators on when on 80 and 40 meters. Now other ssb stations 2 KHz away do not bother my copy. If I turn off the attenuators I hear the other ssb stations.

I have a FT-817 with a RF gain control, attenuator and a preamp I can turn off. Most of the time on 40 meters I run with the attenuator off too. Then I adjust the RF gain for just a tiny bit of noise. With the AGC turned off I adjust the AF gain for near max. Then listen for signals. I have never tried running with AGC and turning down the RF gain. I will try it on the next Fox Hunt.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Sun, 9 Mar 2003 10:41:35 -0800  
From: "Jerry Parker" <qrpradio@charter.net>  
To: <qrp-l@lehigh.edu>  
Subject: [147286] QRPTTF 2003  
Message-ID: <000c01c2e66b\$838473a0\$6401a8c0@parkerhr41z15w>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.norcalqrp.com/qrpttf03/qrpttfrules.html>

QRP To The Field 2003 -- Nobody's Home

Date: Saturday, April 26, 2003  
Time: 1500 to 2400 UTC (pick any 6 hours)

Bands: 40-20-15-10 meters, in the vicinity of the QRP calling  
                frequencies, please be courteous to others

Mode: CW only

Power out (QRP only): 5 watts or less

As usual, this event is geared toward having fun while operating  
in the field, away from commercial power.

The theme for this year is Ghost towns!

Think about places that were once in use and are now abandoned ...  
Ghost towns, lumber camps, old lighthouses, old buildings, etc.  
Do keep in mind personal safety. Our goal here is to have fun, not  
put your life in danger. So if a site or building is not safe, then  
don't go inside, move a safe distance away instead. Also remember  
that if you need permission to use a site, by all means, get it.  
Remember, this is F-U-N!

Select any 6-hour operating period that works for you. If you need to split  
it up into two or three hour intervals or more to accommodate other plans,  
then feel free to do so. Jump in there when you can, but only work a total  
of 6 hours. Work all stations once per band.

Categories:     Single Op Ghost town station  
                 Multi Op Ghost town station  
                 Single Op Field Station  
                 Multi Op Field Station  
                 Home Station

Exchange:       RST + SPC  
                 Example: 559 NM

Scoring:        QS0 pts - 1 pt for each QS0 per band  
                 SPCs pts - count once per band

Bonus points:   Use SPCs received to fill in the blanks with the state  
                 abbreviation whose first letter matches the individual  
                 letters in the word "Ghost town" without duplicating states.  
                 Each letter filled in is worth 100 points (up to 900 pts.

max)

Example: G=GA, H=HI, O=OK, S=SD, T=TX, T=TN, etc.

Location Multiplier:    Ghost town station = x5  
                                 Field station                = x3  
                                 Home Station               = x1

Final Score:        Total pts x Total SPCs x Location + Bonus Points = Final  
score

A summary sheet is also available at the Norcal web site:  
<http://www.norcalqrp.com/qrpttf03/qrpttfsum.html>

Deadline:        Send complete logs and summary sheets by June 1, 2003.  
                 Summary sheets must include a description of location and  
equipment  
                 used. Please also include photographs and a brief write-up, it

will

be much appreciated! Your log should include a minimum of time  
(in UTC), call sign of station worked, complete exchange

received,

RST sent (if not a static exchange). Incomplete submissions will

be

used as check logs. Take your time and use a calculator if

needed.

Email submission: send complete logs and summary sheets in ASCII text  
format

only to: n0qt@arrl.net

Please send text format only (.txt), all other forms will be  
rejected so no html, word processor documents or attachments  
please. Archive files in the ZIP format are okay as they do  
not get deleted. Hopefully every one knows what a zip file is.

Snail mail: send complete logs and summary sheets to:

Jan Medley N0QT  
QRPTTF 2003  
P.O. Box 1768  
Socorro NM 87801

-----  
Date: Sun, 09 Mar 2003 18:04:19 -0100  
From: David Fagundes <dfagundes@angra.uac.pt>  
To: qrp-1@Lehigh.EDU  
Subject: [147287] Need small QRP antenna for 15M  
Message-ID: <5.1.1.6.2.20030309175657.00ba9480@mail.angra.uac.pt>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello All,

I'm starting in the QRP because I don't like, and I think a waste of power,  
the KW!

I would like to know if anyone have a schematic or a brand for a small 15M  
antenna, that the working peak power will be 5W.

I need this antenna for travel if possible in the luggage and to work in  
hotel rooms.

Thank you for the help in advance!

73's

CU3ED  
David

-----  
Date: Sun, 09 Mar 2003 14:02:53 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [147288] A K2 Borrower Speaks  
Message-ID: <000501c2e66e\$7d81e110\$6401a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I had the pleasure of borrowing a K2 with all the trimmings back in January and had been looking forward to the opportunity for quite some time. I read with great interest the "The DX Prowness of HF Receivers" article and wanted to see if a K2 would work for me as a replacement DX rig for my station. As I used it for 10 days, I did so with the idea of building one to use not as a part-time QRP rig but as the main rig here at my QTH. My plan was to buy the kit with all the options that are important to me as a DX chaser: CW only, 160m/dual RX antenna, 100 watt, audio filter and noise blanker.

What I like most about the K2 is its ability to have a very narrow selectivity selected and yet have no ringing on a CW station. Also, I could copy very weak stations with strong stations nearby that disappeared as I narrowed the filter. Unfortunately, I won't be buying a K2 due to some characteristics that may be superficial to most but very important to me:

1. A lot of DXpeditions operate the pileups split. On the K2, there is a noticeable lag when switching from A to B VFO. This lag is only a fraction of a second and therefore may seem insignificant in a discussion, but in actual practice the lag can equate to some (perhaps most) of a callsign when the CW speed is up around 35 wpm, typical in a pileup. A lot of back and forth A to B switching of the VFOs is often necessary as the DX station is chased and finally (hopefully) worked - as the DX answers a station, I switch to the other (my transmitting) VFO to tune to the answered station's frequency and then back to my receive VFO to be ready to call the DX the instant he indicates his completion of the previous contact. During this round trip VFO A to B and back to A operation, a lot of time is spent, due to the lag. As I said, in conversation this may seem like splitting hairs, but in a 35 wpm CW pileup, this lag becomes irritating.

2. Still on the topic of split operation, I like my receive VFO to have a narrow filter selection and my transmit VFO to be at its widest setting. This way, when I hit the A/B button to listen on my (and the pileup's)

transmitting frequency, I can more easily find where the answered station is transmitting and therefore exactly where the DX is listening so that I know where to tune. But on the K2, whatever filter I have selected on one VFO is also selected on the other. Now when I switch VFOs to listen on my transmit freq for whoever is getting worked (by the DX) at the moment, he is much more difficult to find. This is especially true when the pileup is spread over 3 or more kilohertz. It now takes more tuning around blindly to find the exact frequency where the DX is listening.

A K2 outfitted the way I would want it would cost around \$1200. To me, it is not worth that price plus the time (40 hours?) away from my family or other activities only to have a rig which will not allow me to operate in the way that I've found to be the most efficient and productive for chasing and catching DX. My \$550 Yaesu (FT840) switches from A to B VFO instantaneously and allows me to have different filters selected for each. Its receiver specs may not compare with the K2's but it has never left me wanting for a better receiver in order to work a particular station. I probably - oh, who am I kidding - I WILL reward myself (for a recently-achieved goal) with another rig soon, but it will probably be Ten Tec's Orion. Three times the price of a K2 but.....I am working a lot of overtime lately.....!

73 and good DXing,

John Harper AE5X

Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

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Date: Sun, 09 Mar 2003 11:21:41 -0800  
From: Robert Honan <[robertus@harbornet.com](mailto:robertus@harbornet.com)>  
To: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Cc: Rod N0RC <[rod@n0rc.us](mailto:rod@n0rc.us)>  
Subject: [147289] Re: SWL PSK-31 antennas question.  
Message-ID: <[3E6B9445.74B2CBF4@harbornet.com](mailto:3E6B9445.74B2CBF4@harbornet.com)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

With regards to error checking, I was comparing PSK-31 to digital modes like packet, AMTOR, or GATOR where the protocol automatically requests a re-transmission when needed. You're right Rod, PSK-31 is no better than SSB or CW, you have to request a resend.

Which actually leads me to my biggest complaint with the idea of using PSK-31 for emergency/public service communications. If you are handling short messages, phone is a much simpler solution. If the range is short, VHF/UHF FM simplex is probably best. If the range is long, then you look at

which HF band is open to your destination.

But if you are talking about long messages, say a list of people at a shelter, digital modes can't be beat. The automatic error checking will get the list passed fast. Also digital modes are available on all bands, and often allow VHF/UHF to be used for long ranges. Packet networks can cover entire regions with excellent survivability. If you can power stations to relay PSK-31 then you could also power a packet digipeater that would relay packet communications automatically.

Rod N0RC wrote:

```
> ...It has no error checking what so ever.  It
>
> Error checking is as good as SSB, &/or CW asking for fills.
>
> > can not handle text files, so to relay a message you need to cut and
> paste
>
> Not true, Digipan allows text file transmission.
>
> > from one message to another.  It can not pass data files, so no
> sending on a
> > spread-sheet or log file.  If you are looking to do text based
> communications
> > over a local area, packet on 2m FM would be a much better alternative.
> Even
> > better, text messaging can be done over ARPS, which would give you
> both the
> > text message and the exact location of the units involved.
> >
>
> And what if the need is to send a message 50-100 miles? 2m FM requires
> power and tall antennas, especially in mountain terrain.  Can't rely on
> repeaters in an emergency.
>
> No mode is a panacea, it is up to the operators to select the best
> method available to get the message through. I've done PS work, and
> worked PSK31 at QRP levels. I believe PSK31 does have a place, when used
> in the proper situation.
>
```

--

Robert J. Honan, W7EG

~~~~~  
There are 10 types of people in the world:
those that understand binary, and those that don't.

Date: Sun, 09 Mar 2003 14:24:00 -0500
From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: John <jczuba@bluefrog.biz>, QRP Fanatics <qrp-1@lehigh.edu>,
"RVHFG_general@yahooogroups.com" <RVHFG_general@yahooogroups.com>,
Subject: [147290] FS: Omni 6 Opt 3 and Accesories!
Message-ID: <154723791.1047219840@K2Q0>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Gang,

I am offering a super Omni 6, Opt 3 for sale. It is just back from Ten-Tec as it needed a new IC for the meter. I will break this up but would prefer to sell it as a package. The rig and PS are in LN condition. Neither rig nor PS have been outside or exposed to smoke. TT provided the usual check with documentation. Last I checked Ten-Tec was selling the rig alone for \$1895 (see the used list from Jan 02, 2003).

Ten-Tec Omni 6/Opt 3, plus
Model 218 1.8kHz Crystal Filter
Model 217 500Hz Crystal Filter
Model 960 Power Supply
All manuals
Package priced at \$1700 and I'll include S&H and insurance to the lower 48.

If you want the rig only the price will be \$1500. The filters will be \$70 each with S&H and the PS will be \$130 with S&H.

I am selling to fund my new interest in VHF/UHF/uW. If you really want to know, I bought a K2 to use as an IF rig for microwave gear.

I have had this rig for 2.5 years and it has been fantastic.

Mark Adams, P.E.
K2Q0
716.741.4760 (H) 6PM-10PM ET
716.829.3707 ext 25 (W) 8 AM-4 PM ET Direct dial #

Date: Sun, 9 Mar 2003 14:45:54 -0500
From: "KB9BVN" <brian@iquest.net>

To: <kc5wa-qrp@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [147291] Re: part storage
Message-ID: <00c001c2e674\$7fcf44c0\$9f632bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just hafta testify!!

Robert I got a couple of these babies a week ago at my local Wally World and they are most excellent for parts storage AND when making those trip to the field they hold all kinds of spare parts and stuff.

Real nice product...and I believe they are still made in Illinois.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: "robert conley" <kc5wa-qrp@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 09, 2003 5:48 AM
Subject: part storage

> While buying some dipole support line (trot
> line cord to the non-ham) today at my
> loco Walmart I found a GREAT PARTS CASE they
> are made by Plano Stock #991406 and are called
> the stowaway 3705 utility box. it measures
> 6.75 x 8.75 x 1.75 it has 4-16 divisions
> measuring 2.0 x 6.75 x 1.75 through 1.75 x 2.00
> x 1.50 the price at my loco walmart is \$2.46
> the dividers lock down so parts can not sneak
> under or over the dividers for that matter
> perfect for storing electronic components
> because they are opaque so I bought 6 today
>
>

Date: Sun, 9 Mar 2003 15:22:24 EST
From: Fghester@aol.com
To: qrp-1@lehigh.edu
Subject: [147292] FS: Good stuff gathering dust... needs good home
Message-ID: <111.21252d32.2b9cfc80@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

FS: Good stuff collecting dust. Needs good home.

1) West Mountain Radio Rigblaster (original) jumpered for ICOM. All needed cables & instruction manual included. New condition & works perfect. \$60 shipped.

2) Arrow II Satellite Antenna 146/437 - 10W (hand held) with Duplexer, Cable & Split Boom. New Condition \$100 shipped.

3) MFJ 9020 20 meter QRP CW transceiver (5W) with detent RIT, with audio filter and keyer. Works perfect and cosmetically 8.5/10. Has been around but well cared for and looks just fine. \$165 & I pay shipping.

All prices firm X 73!

WD9F fghester@aol.com

Date: Sun, 9 Mar 2003 15:29:14 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [147293] F.S. Millen 90652 solid state grid dip meter
Message-ID: <000501c2e67a\$8dba7180\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

I got lucky and have recently acquired two mint Millen 90652 solid state grid dip meters. The units use a 9 volt battery and are portable.

I will sell one of these units with original manual and carrying/storage box plus all the coils, complete for \$95 plus shipping.

The unit is just beautiful with no scratches, dings or blemishes.

If you have wanted to get a grid dipper this is the one for you.

73, Joe W2KJ

Date: Sun, 9 Mar 2003 22:57:02 +0300
From: "Oleg V. Borodin" <master72@lipetsk.ru>
To: <jmedley@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [147294] Re: Knock, knock ... Nobody's Home!
Message-ID: <004b01c2e67b\$92ebfba0\$75e522c3@user.lipetsk.ru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1251"
Content-Transfer-Encoding: 7bit

>QRP To The Field 2003 -- Nobody's Home
>-----
>Date: Saturday, April 26, 2003
>The theme for this year is Ghost towns!

That's wonderfull Rules!
I want remarking, Organizators have a good fantasy :-) !
Just a single question: can any Countrie's QRPers (Russian, for example)
took part in this Contest also?
Good luck!
de RV3GM Oleg V. Borodin
(RU-QRP Club's Chairman)
URL: <http://ruqrp.narod.ru>

Date: Sun, 9 Mar 2003 14:40:56 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [147295] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0303091432200.4114-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 35 - WOMC -

Burbank Wrecking Crew - 117 Cheeseheads - 136

Michael - K6MMC *	Jerry - N9AW *
Todd - AG0T *	Jim - WA9TZE * Clean
Don - KC2CK	Lon - W9XU * Sweep
Woody - WD9F *	Rick - NK9G *
Trev - KG6CYN *	Glenn - WE9K *

NE-TX Tornados - 166 p-Shooters - 70

Chuck - W5USJ *	Chuck - K7Q0
Bill - K5JHP * Clean	Gary - W7IU
Don - K5DW * Sweep	Jim - KC1FB
Doc - W5TB *	Wayne - W5KDJ
George - W5YR *	Tony - KB9YIG

Raiders of the Lost RF - 119 Swamp Rats - 154

Dan - VE6EX	Larry - N2WW
Earl - VA6RF *	ET - N1FN
Fred - VE3FAL	Paul - K4FB *
Robert - VE6JAZ	Doc - K0EVZ
Bruce - VE5RC *	Tom - N1TP *

K1 K9s - 99 Cajun Thunder - 132

Lloyd - K3ESE	Wayne - K5E0A
John - NA8M	Jim - N5IB
Ralph - KD1R	Vern - AA50 *
Joe - W2RBA	Wayne - N5YFC
Alan - N3BJ	Tom - AC5JH *

Great Lakers - 67 Underdogs - 147

Mark - K2QO
Tom - KV2X
Al - K2ZN *
Bill - K2TER
Jeff - VA3JFF

Dan - N4ROA *
Dave - W0CH *
Ron - KI0II
Randy - K7TQ
Art - KB7WW *

Aluminum Kings - 131

Dust Devils - 117

Bob - N4BP
Jim - N0UR
Al - K0FRP
Pat - K0PC *
Todd - N9NE *

George - KR5C *
Martin - N6LIF
Eric - NM5M
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 64

Frank - K2PQ
Jack - K5FSE *
Jason - N8XE
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 9 Mar 2003 14:50:19 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [147296] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0303091443010.4114-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt # 36 - K0PC -

Burbank Wrecking Crew - 118

Michael - K6MMC
Todd - AG0T
Don - KC2CK
Woody - WD9F *
Trev - KG6CYN

Cheeseheads - 141

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX Tornados - 171

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

p-Shooters - 71

Chuck - K7Q0
Gary - W7IU
Jim - KC1FB
Wayne - W5KDJ
Tony - KB9YIG *

Raiders of the Lost RF - 122

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ
Bruce - VE5RC *

Swamp Rats - 158

Larry - N2WW *
ET - N1FN *
Paul - K4FB *
Doc - K0EVZ
Tom - N1TP *

K1 K9s - 101

Lloyd - K3ESE
John - NA8M *
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Cajun Thunder - 133

Wayne - K5E0A
Jim - N5IB
Vern - AA50
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 68

Mark - K2Q0
Tom - KV2X
Al - K2ZN *
Bill - K2TER
Jeff - VA3JFF

Underdogs - 150

Dan - N4R0A *
Dave - W0CH *
Ron - KI0II *
Randy - K7TQ
Art - KB7WW

Aluminum Kings - 136

Dust Devils - 120

Bob - N4BP *	George - KR5C *
Jim - N0UR * Clean	Martin - N6LIF
Al - K0FRP * Sweep	Eric - NM5M
Pat - K0PC *	Dale - K5SR *
Todd - N9NE *	Lew - N5ZE *

Loco-motives - 64

Frank - K2PQ
Jack - K5FSE
Jason - N8XE
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 09 Mar 2003 16:34:43 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [147297] QRP Digital Wattmeter
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I started working on a new digital watt meter the other day and it's finally starting to show promise ;-)

I'm using the W7EL bridge as the pick up (ala WM-2) with a second diode compensating amp on the reverse power output. This way I can feed both forward and reverse power into the uP's A/D, which is an Atmel Meag8 processor. This chip has a four input, 10 bit A/D built in. Both forward

and reverse power are measured, calculated and displayed on a 1X16 LCD display module. 0-10 watts in 10 mw increments. Accuracy is okay, but not great, as the 1024 count A/D result has to be scaled to 2236 counts at full scale.

I'm also trying to calculate SWR, but I don't know how to do fractional division in binary, so the result is in whole numbers, i.e., 1, 2, 3, ect. That info isn't real helpful, so might drop the SWR feature unless I can find out how to do the math better.

Next step is to try using some Linear Tech LTC5507 chips I just got instead of the germanium diodes. The LTC5507's have a forward biased Schottky diode, tempature compensting and gain compensting network built into tiny SOT-23-6 package. They can detect RF voltage from 100 KHz to 1 GHz in the range of -22 to +14 dBm. Main problem with these parts (besides thier small size) is the output isn't quite a straight line, they have a little bow in the middle.

The big problem is going to figuring out a way to calibrate the thing. I'm thinking maybe a cmos oscillator to feed 5 volt square waves into the detector chip might be the way to go.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

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End of QRP-L Digest 2854
